Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/30/2019 09:22 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126126	0	1.08	126181	1.05
Blue	F	SSC	125000	124968	-1	1.89	125760	1.89
Blue	E	FITC	16122	15762	-3	2.76	343	20.25
Blue	D	PE	29316	28760	-2	1.90	627	15.04
Blue	B	PerCP-Cy5-5	42590	41841	-2	3.66	1125	20.55
Blue	A	PE-Cy7	33146	33167	0	6.08	634	40.34
Red	C	APC	45473	44818	-2	2.31	1586	12.21
Red	A	APC-Cy7	31961	30947	-4	2.28	820	11.92
Violet	B	V450	7914	7587	-5	5.26	425	14.05
Violet	A	V500	29769	28765	-4	5.17	669	11.16

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21029	2.94	610	10	N/A	N/A	Pass
Blue	F	SSC	56824	1.27	554	16	N/A	N/A	Pass
Blue	E	FITC	62	65.09	542	5	0.0196	144	Pass
Blue	D	PE	131	51.12	544	7	0.1590	291	Pass
Blue	B	PerCP-Cy5-5	209	48.35	650	12	0.0087	3	Pass
Blue	A	PE-Cy7	116	102.05	703	12	0.0112	20	Pass
Red	C	APC	378	24.87	584	5	0.0234	83	Pass
Red	A	APC-Cy7	179	28.66	560	4	0.0056	925	Pass
Violet	B	V450	65	61.58	466	6	0.0445	1920	Pass
Violet	A	V500	100	31.13	478	6	0.0202	273	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.51	-31.75	1.01
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.51
Red	16.94	13.60 - 20.40	N/A	N/A	29.05	29.73	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 11352

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments